#### II.A. INTRODUCTION REVENUE SHARING PROGRAM FOR FY 2006-2007

The Virginia Department of Transportation's (VDOT) Revenue Sharing Program annually provides Roanoke County the opportunity to receive State matching funds for the construction, maintenance, and improvement to primary and secondary roads in the State's highway system. In the past, the Commonwealth of Virginia provided \$15 million for the matching program and limited localities to \$500,000 each. Last year, for fiscal year 2005-2006, the program was increased \$35 million (implied as a one-time allocation), making it a \$50 million state funded program. This included increasing the maximum state participation from \$500,000 to \$1 million per locality and allowing cities and towns the option to participate. The notice of the increase in state participation came in the spring of 2005; months after the Board of Supervisors had already approved the allocation of County funds for the fiscal year 2005-2006 Revenue Sharing Program and its budget. At the time of the writing of this document, the General Assembly has yet to approve the legislative action required to match last year's allocation of funds for the fiscal year 2006-2007 program. Staff anticipates that this will occur in the coming months (most likely early spring 2006) and that the County will once again be eligible for \$1 million in state participation. Therefore, the enclosed Revenue Sharing Priority List includes projects that would entail \$1 million in County/state matching funds. If in the future the County is notified that the program will not be increased again and that the County is only eligible for \$500,000 in state matching funds, we can utilize the prioritized list to determine which projects would then be eligible.

Roanoke County and VDOT staffs have been continuously reviewing and evaluating streets and drainage requests throughout the year for inclusion in the Revenue Sharing Program. In addition to reviewing citizens' inquiries, staff contacted Roanoke County's Stormwater Operations Division, Economic Development staff, General Services staff, Police Department, Fire & Rescue Department, School Board personnel, Western Virginia Water Authority, and VDOT's area superintendents.

VDOT and County staff have reviewed and evaluated each request received for inclusion in the revenue sharing plan. In deciding which projects would be included, the following criteria were used; traffic counts, existing pavement width (VDOT standard: 18' or greater for plant mix), existing and future development in the adjacent area, overall pavement condition (alligator cracking, depressions and utility cuts), drainage, vehicular and pedestrian safety, and the economic benefits.

Application for Revenue Sharing Program funding must be made by resolution of the governing body of the jurisdiction in which the road is located. Project funding is allocated by resolution of the Commonwealth Transportation Board. Construction may be accomplished by VDOT or, where appropriate, by the locality under an agreement with VDOT.

### II.B. REVENUE SHARING PROJECTS: DETAILS AND MAPS

Following is Roanoke County's priority list of revenue sharing projects to be completed in the 2007 construction season or beyond.

#### PRIORITY #1 BUCK MOUNTAIN ROAD - RTE 679

LOCATION: From Kings Chase Drive, Rte 2050, to Eagle Crest

Drive, Rte 3537 (near the Blue Ridge Parkway

crossing)

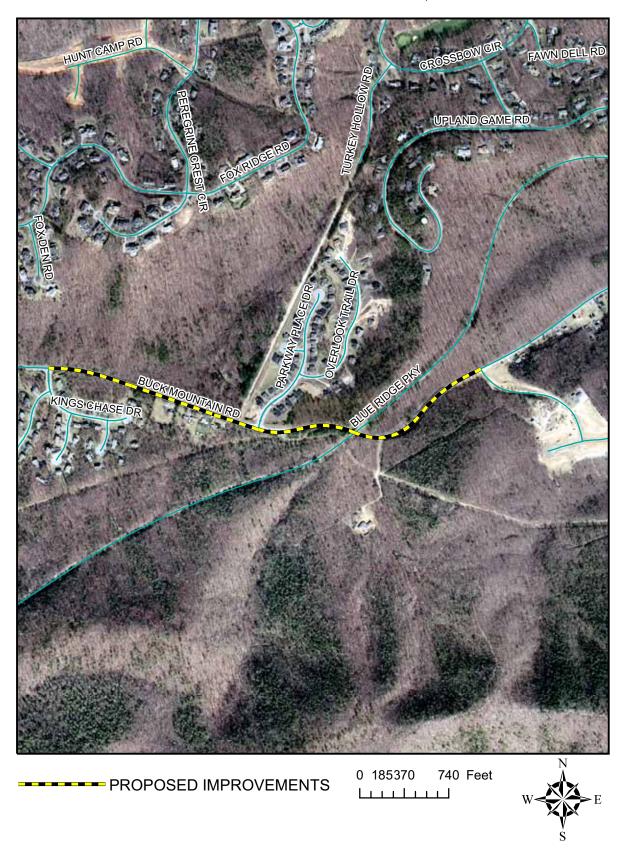
MAGISTERIAL DISTRICT: Cave Spring

TRAFFIC COUNT (VPD): 4,700

PROPOSED IMPROVEMENTS: Widen shoulders; install guard rail, if necessary

TOTAL ESTIMATED COST: \$50,000

COUNTY CONTRIBUTION: \$25,000



**Buck Mountain Rd** 

### PRIORITY #2 ARTHUR STREET - RTE 717

LOCATION: Intersection with Starkey Road, Rte 904

MAGISTERIAL DISTRICT: Cave Spring

TRAFFIC COUNT (VPD): 130 – ARTHUR ST.

7,400 - STARKEY RD.

PROPOSED IMPROVEMENTS: Widen intersection; cut bank back; extend culvert;

put in turning tapers

TOTAL ESTIMATED COST: \$40,000

COUNTY CONTRIBUTION: \$20,000



Arthur St / Starkey Rd

#### PRIORITY #3 LEFFLER LANE - RTE 1299

LOCATION: From Poages Mill Drive, Rte 1780, to dead-end

MAGISTERIAL DISTRICT: Windsor Hills

Traffic Count (VPD): 50

PROPOSED IMPROVEMENTS: Plant-mix asphalt overlay (2-inches HMA) over

newly constructed Rural Addition road

TOTAL ESTIMATED COST: \$8,236

COUNTY CONTRIBUTION: \$4,118



Leffler Ln

### PRIORITY #4 & 5 IVYLAND ROAD - RTE 775

LOCATION: From Rutrough Road, Rte 618, to end-of-state

maintenance

MAGISTERIAL DISTRICT: Vinton

TRAFFIC COUNT (VPD): 180

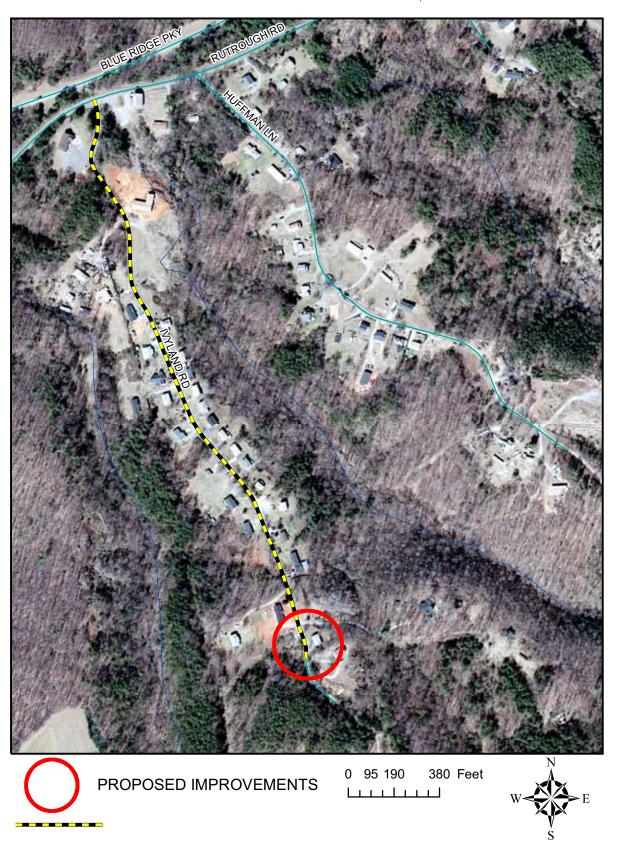
PROPOSED IMPROVEMENTS: Construct new turn-around at the end-of-state

maintenance and then apply plant-mix asphalt

overlay (2 inches HMA) on entire road.

TOTAL ESTIMATED COST: \$65,840

COUNTY CONTRIBUTION: \$32,920



#### Huffman Road – Rte 761

LOCATION: From Rutrough Road, Rte 618, to end-of-state

maintenance

MAGISTERIAL DISTRICT: Vinton

TRAFFIC COUNT (VPD): 140

PRIORITY #6 & 7

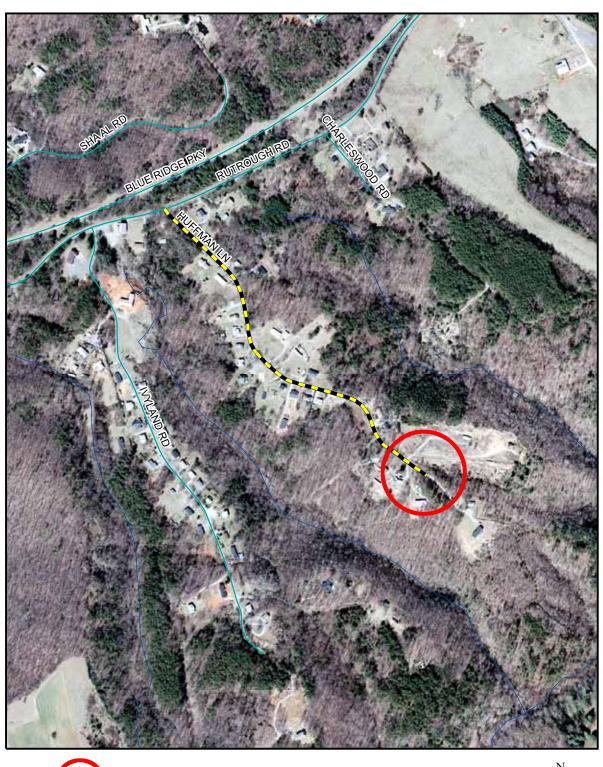
PROPOSED IMPROVEMENTS: Construct new turn-around at the end-of-state

maintenance and then apply plant-mix asphalt

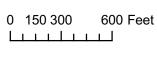
overlay (2 inches HMA) on entire road.

TOTAL ESTIMATED COST: \$64,784

COUNTY CONTRIBUTION: \$32,392









### PRIORITY #8 Newport Road - Rte 624

LOCATION: From 0.1 mile east of Miller Cove Road, Rte 620, to

0.2 miles east of Miller Cove Road, Rte 620

MAGISTERIAL DISTRICT: Catawba

TRAFFIC COUNT (VPD): 860

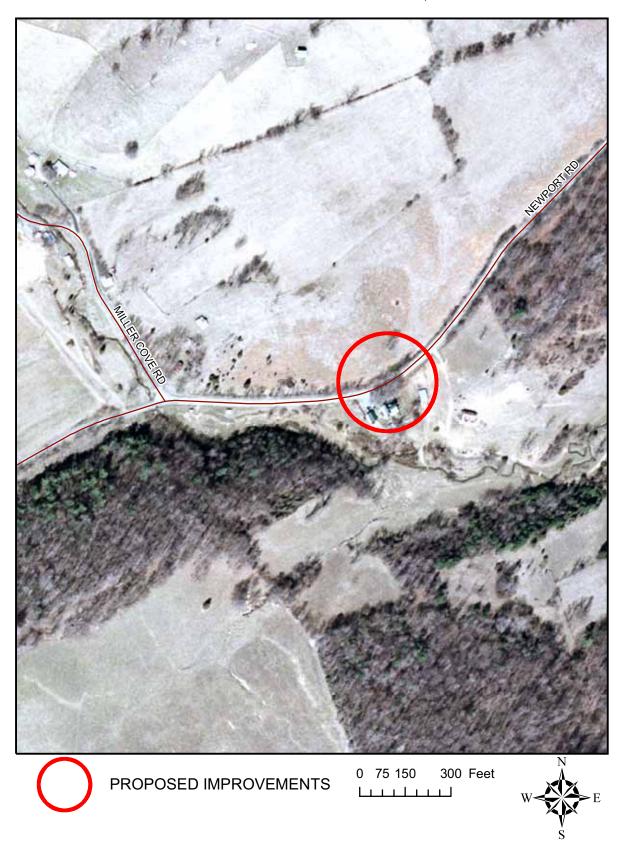
PROPOSED IMPROVEMENTS: Re-grade slope to allow for greater sight distance

when approaching the curve; clear zone/shoulder

improvements; possibly extend guard rail.

TOTAL ESTIMATED COST: \$40,000

COUNTY CONTRIBUTION: \$20,000



Newport Rd

### PRIORITY #9 KEAGY ROAD - RTE 685

LOCATION: Intersection with Walton Lane, Rte 1386

MAGISTERIAL DISTRICT: Windsor Hills

TRAFFIC COUNT (VPD): 4,000

PROPOSED IMPROVEMENTS: Re-grade slope to improve sight distance

TOTAL ESTIMATED COST: \$50,000

COUNTY CONTRIBUTION: \$25,000



Keagy Rd / Walton Ln

### PRIORITY #10 CARSON ROAD - RTE 758

LOCATION: Bridge near intersection with Lake Back-o-Beyond

Drive, Rte 3505

MAGISTERIAL DISTRICT: Vinton

TRAFFIC COUNT (VPD): 880

PROPOSED IMPROVEMENTS: Re-grade slopes to improve sight distance around

curve on bridge approaches

TOTAL ESTIMATED COST: \$50,000

COUNTY CONTRIBUTION: \$25,000



#### PRIORITY #11 & 12

#### THIRLANE ROAD - RTE 626

LOCATION: From Peters Creek Road, Rte 117, to Wood Haven

Road, Rte 628

MAGISTERIAL DISTRICT: Catawba

TRAFFIC COUNT (VPD): 2,000

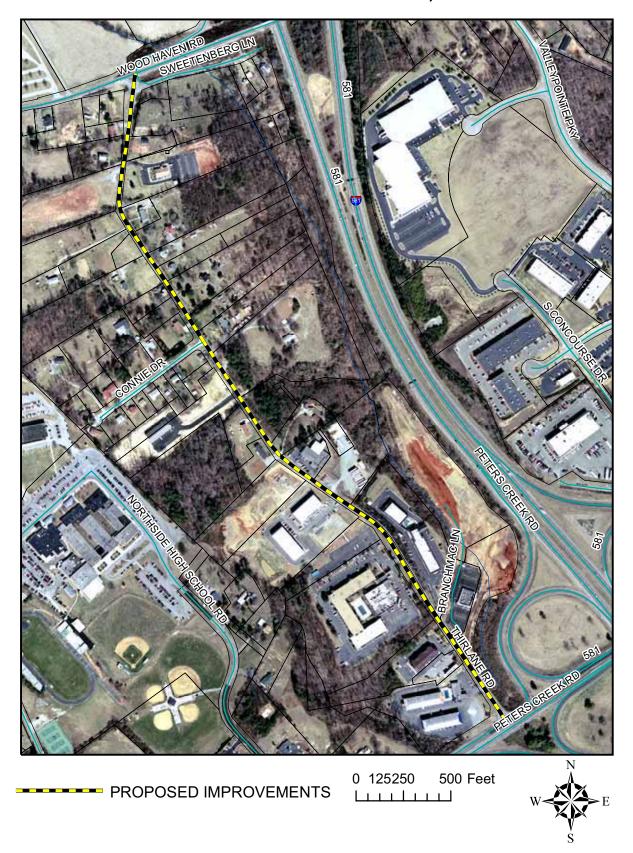
PROPOSED IMPROVEMENTS: Improve drainage by grading shoulders, re-

establishing ditches (from Peters Creek Rd to Connie Dr, Rte 1490); plant-mix asphalt overlay (2inches HMA) (from Peters Creek Rd to Wood

Haven Rd)

TOTAL ESTIMATED COST: \$88,788

COUNTY CONTRIBUTION: \$44,394



Thirlane Rd

#### PRIORITY #13 DAUGHERTY ROAD - RTE 643

LOCATION: Existing culvert near 4144 Daugherty Road

MAGISTERIAL DISTRICT: Catawba

TRAFFIC COUNT (VPD): 600

PROPOSED IMPROVEMENTS: Replace existing box culvert with larger drainage

structure and re-work approach channel

TOTAL ESTIMATED COST: \$75,000

COUNTY CONTRIBUTION: \$37,500



#### PRIORITY #14 FRIENDSHIP LANE - RTE 1895

LOCATION: From Plantation Road, Rte 115, to end-of-state

maintenance

MAGISTERIAL DISTRICT: Hollins

TRAFFIC COUNT (VPD): 1,900

PROPOSED IMPROVEMENTS: Continued funding for drainage improvements

TOTAL ESTIMATED COST: \$10,000

COUNTY CONTRIBUTION: \$5,000





#### PRIORITY #15 STARLIGHT LANE - RTE 615

LOCATION: From Merriman Road, Rte 613, to Hemlock

Avenue, Rte 6009

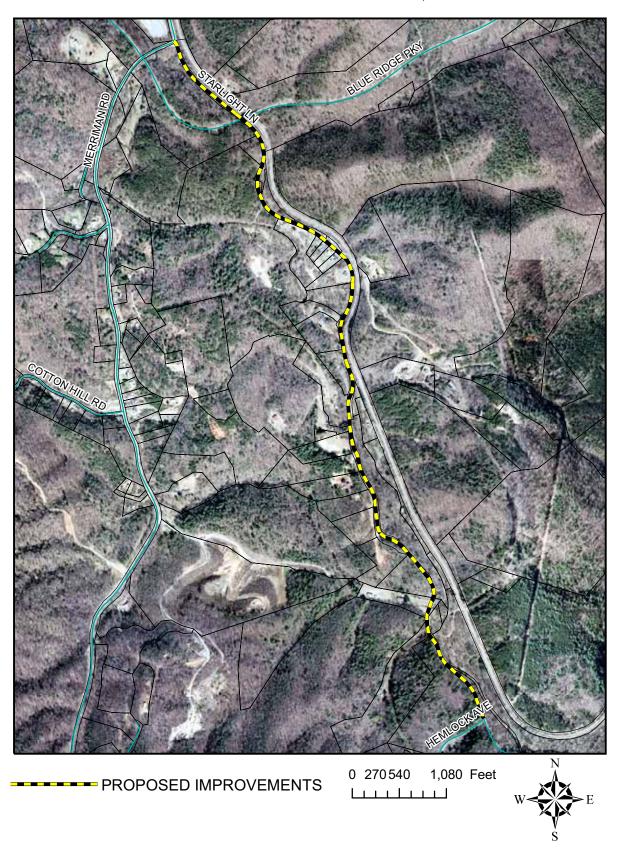
MAGISTERIAL DISTRICT: Cave Spring

TRAFFIC COUNT (VPD): 250

PROPOSED IMPROVEMENTS: Plant-mix asphalt overlay (2 inches HMA)

TOTAL ESTIMATED COST: \$84,480

COUNTY CONTRIBUTION: \$42,240



Starlight Ln

### PRIORITY #16 WOODLEY DRIVE - RTE 1372

LOCATION: From McVitty Road, Rte 1647, to end-of-state

maintenance

MAGISTERIAL DISTRICT: Windsor Hills

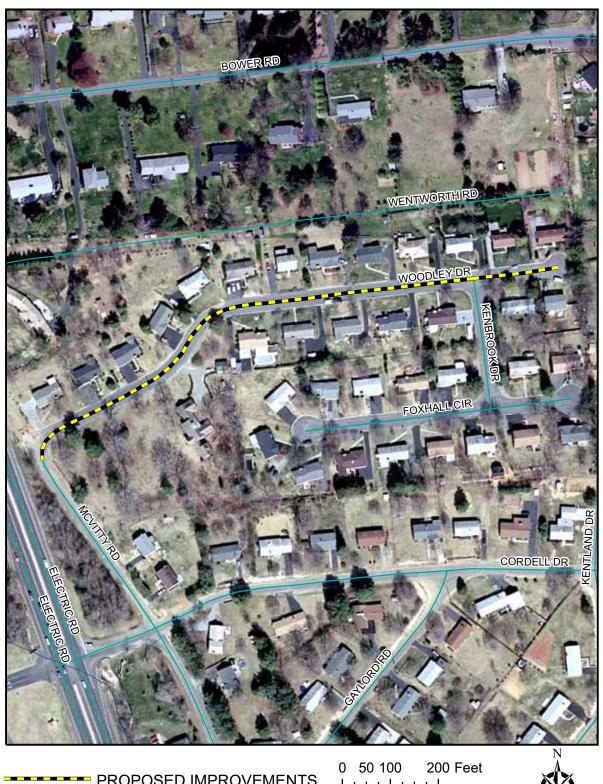
TRAFFIC COUNT (VPD): 300

PROPOSED IMPROVEMENTS: Need drainage pipes and inlet; plant-mix asphalt

road (2 inches HMA)

TOTAL ESTIMATED COST: \$23,232

COUNTY CONTRIBUTION: \$11,616



PROPOSED IMPROVEMENTS



#### PRIORITY #17 GIESER ROAD - RTE 1650

LOCATION: Intersection with Glenbrook Drive, Rte 1699

MAGISTERIAL DISTRICT: Windsor Hills

TRAFFIC COUNT (VPD): 340

PROPOSED IMPROVEMENTS: Re-establish curb & gutter and pavement to

improve drainage

TOTAL ESTIMATED COST: \$40,000

COUNTY CONTRIBUTION: \$20,000



#### PRIORITY #18 STARLIGHT LANE - RTE 615

LOCATION: Intersection with Hemlock Avenue, Rte 6009

MAGISTERIAL DISTRICT: Cave Spring

TRAFFIC COUNT (VPD): 250

PROPOSED IMPROVEMENTS: Re-grade slope to improve sight distance

TOTAL ESTIMATED COST: \$50,000

COUNTY CONTRIBUTION: \$25,000



Hemlock Ave / Starlight Ln

#### PRIORITY #19 SANDLEWOOD ROAD - RTE 678

LOCATION: From Buck Mountain Road, Rte 679, to end-of-state

maintenance

MAGISTERIAL DISTRICT: Cave Spring

TRAFFIC COUNT (VPD): 170

PROPOSED IMPROVEMENTS: Widen from 12-ft to 18-ft; construct turn-around at

end-of-state maintenance

TOTAL ESTIMATED COST: \$150,000

COUNTY CONTRIBUTION: \$75,000



### PRIORITY #20 MOUNT PLEASANT BOULEVARD - RTE 866

LOCATION: Intersection with Jae Valley Road, Rte 116

MAGISTERIAL DISTRICT: Vinton

TRAFFIC COUNT (VPD): 1,400

PROPOSED IMPROVEMENTS: Improve sight distance/safety at intersection

TOTAL ESTIMATED COST: \$500,000

COUNTY CONTRIBUTION: \$250,000



Mount Pleasant Blvd / Jae Valley Rd

#### PRIORITY #21 BRANDYWINE AVENUE - RTE 1602

LOCATION: From Bunker Hill Drive, Rte 1602, to Kenmore

Avenue, Rte 682

MAGISTERIAL DISTRICT: Cave Spring

TRAFFIC COUNT (VPD): 140

PROPOSED IMPROVEMENTS: Establish adequate drainage along roadway.

TOTAL ESTIMATED COST: \$80,000

COUNTY CONTRIBUTION: \$40,000

#### PRIORITY #22 BUNKER HILL DRIVE - RTE 1602

LOCATION: From Manassas Drive, Rte 682, to Brandywine

Avenue, Rte 1602

MAGISTERIAL DISTRICT: Cave Spring

TRAFFIC COUNT (VPD): 140

PROPOSED IMPROVEMENTS: Establish adequate drainage along roadway.

TOTAL ESTIMATED COST: \$80,000

COUNTY CONTRIBUTION: \$40,000



Bunker Hill Dr / Brandywine Ave

### II.C. REVENUE SHARING PROGRAM SUMMARY

DISTRICT: SALEM RESIDENCY: SALEM

Cum. Total: 159,430 159,430

DESIGNATION OF FUNDS FOR FY 06/07 REVENUE SHARING ROANOKE COUNTY, VA PAGE: 1 OF 3 DATE: DEC '05

Buck Mth   Rd, Rte 679   25,000   25,000   2   Y   No.   No.   No.   No.   No.   No.   Widen shoulders, install guard rail if necessary   No.	Road Name & Rte. #:	County Match (\$)	State Match (\$)	6 Yr Plan Prio- rity	Proj. Funded w/ Rev. Shar. Only (Y/N)	Proj. Length (mi)	Location:	VPD	Bridge (Y/N)	Res Adm Apprvd (Y/N)	Desc. of Prop. Work:	Admin. By VDOT or County
Arthur St, Re 717   20,000   20,000   2   Y   Na   Na   Na   Na   Y   Widen intersection: cut bank back, extend culvert, put in tapers   VDOT		25,000	25,000	1	Y	0.8	Chase Dr, Rte 2050, to Eagle Crest Dr, Rte 3537 (Near BRP	4,700	N	Y		VDOT
Leffler Ln   Ret 1299   Ret 129		20,000	20,000	2	Y	n/a	Intersection w/ Starkey	130	N	Y		VDOT
Toyland Rd, Rte 775   Z5,000		4,118	4,118	3	Y	0.13	From Poages Mill Dr, Rte 1780, to	50	N	Y		VDOT
Topic   Topi		25,000	25,000	4	Y	n/a	At end-of-	180	N	Y		VDOT
Huffman Rd, Rte 761	Ivyland Rd,	7,920	7,920	5	Y	0. 3	From Rutrough Rd, Rte 618, to	180	N	Y	Plant-mix asphalt overlay (2 inches HMA)	VDOT
Huffman Rd, Rte 761 7,392 7,392 7 Y 0.45 Rd, Rte 618, to E.o.S.M.  Newport Rd, Rte 624 Rd, Rte 624 Rd, Rte 624 Reagy Rd, Rte 685 Subtotal: 159,430 159,430  7,392 7 Y 0.45 Rd, Rte 620 Rd,		25,000	25,000	6	Y	n/a	At end-of-	140	N	Y		VDOT
Newport Rd, Rte 624 20,000 20,000 8 Y 0.1 From 0.1 mi east of Miller Cove Rd, Rte 620 to 0.2 mi east of Miller Cove Rd, Rte 620 to 0.2 mi east of Miller Cove Rd, Rte 620 to 0.2 mi east of Miller Cove Rd, Rte 620 to 0.2 mi east of Miller Cove Rd, Rte 620 Intersection with Walton Rte 685 25,000 25,000 9 Y n/a Intersection with Walton Ln, Rte 1386 Subtotal: 159,430 159,430	Huffman	7,392	7,392	7	Y	0.45	From Rutrough Rd, Rte 618, to	140	N	Y		VDOT
Keagy Rd, Rte 685     25,000     25,000     9     Y     n/a     Intersection with Walton Ln, Rte 1386     N     Y     Re-grade slope to improve sight distance     VDOT       Subtotal:     159,430     159,430		20,000	20,000	8	Y	0.1	From 0.1 mi east of Miller Cove Rd, Rte 620 to 0.2 mi east of Miller Cove	860	N	Y	distance when approaching curve; clear zone/shoulder improvements, possibly	VDOT
Subtotal: 159,430 159,430	Keagy Rd, Rte 685	25,000	25,000	9	Y	n/a	Intersection with Walton Ln, Rte	4,000	N	Y	Re-grade slope to improve sight distance	VDOT
Comp. Tabel. 150 420 150 420										•		

DISTRICT: SALEM RESIDENCY: SALEM

Cum. Total: 345,180 345,180

DESIGNATION OF FUNDS FOR FY 06/07 REVENUE SHARING ROANOKE COUNTY, VA PAGE: 2 OF 3 DATE: DEC '05

Road Name & Rte. #:	County Match (\$)	State Match (\$)	6 Yr Plan Prio- rity	Proj. Funded w/ Rev. Shar. Only (Y/N)	Proj. Length (mi)	Location:	VPD	Bridge (Y/N)	Res Adm Apprvd (Y/N)	Desc. of Prop. Work:	Admin. By VDOT or County
Carson Rd, Rte 758	25,000	25,000	10	Y	n/a	Bridge near intersection with Lake Back-o- Beyond Dr, Rte 3505	880	N	Y	Re-grade slope to improve sight distance	VDOT
Thirlane Rd, Rte 626	20,000	20,000	11	Y	0.77	From Peters Creek Rd, Rte 117, to Connie Dr, Rte 1490	2,000	N	Y	Improve drainage by grading shoulders, re-establishing ditches	VDOT
Thirlane Rd, Rte 626	24,394	24,394	12	Y	0.77	From Peters Creek Rd, Rte 117, to Wood Haven Rd, Rte 628	2,000	N	Y	Plant-mix asphalt overlay (2 inches HMA)	VDOT
Daugherty Rd, Rte 643	37,500	37,500	13	Y	n/a	Existing culvert near 4144 Daugherty Rd	600	Y	Y	Replace existing box culvert with larger drainage structure and re-work approach channel	VDOT
Friendship Ln, Rte 1895	5,000	5,000	14	Y	n/a	From Plantation Rd, Rte 115, to dead-end	1,900	N	Y	Continue funding for drainage improvements	VDOT
Starlight Ln, Rte 615	42,240	42,240	15	Y	1.5	From Merriman Rd, Rte 613 to Hemlock Ave, Rte 6009	250	N	Y	Plant-mix asphalt overlay (2 inches HMA)	VDOT
Woodley Dr, Rte 1372	11,616	11,616	16	Y	0.22	From McVitty Rd, Rte 1647, to dead end	300	N	Y	Need drainage pipes and inlet; plant mix asphalt road (2 inches HMA)	VDOT
Gieser Rd, Rte 1650	20,000	20,000	17	Υ	n/a	Intersection with Glenbrook Dr, Rte 1699	340	N	Y	Re-establish curb & gutter and pavement to improve drainage	VDOT
Subtotal:	185,750	185,750									
Come Tabale	245 100	245 100	1								

DISTRICT: SALEM RESIDENCY: SALEM

654,820

Cum. Total: 1,000,000 1,000,000

Subtotal:

654,820

DESIGNATION OF FUNDS FOR FY 06/07 REVENUE SHARING ROANOKE COUNTY, VA PAGE: 3 OF 3 DATE: DEC '05

Road Name & Rte. #:	County Match (\$)	State Match (\$)	6 Yr Plan Prio- rity	Proj. Funded w/ Rev. Shar. Only (Y/N)	Proj. Length (mi)	Location:	VPD	Bridge (Y/N)	Res Adm Apprvd (Y/N)	Desc. of Prop. Work:	Admin. By VDOT or County
Starlight Ln, Rte 615	25,000	25,000	18	Y	n/a	Intersection with Hemlock Ave, Rte 6009	250	N	Y	Re-grade slope to improve sight distance	VDOT
Sandlewood Rd, Rte 678	75,000	75,000	19	Υ	0.42	From Buck Mtn Rd, Rte 679, to dead-end	170	N	Y	Widen from 12-ft to 18-ft; construct turn- around at end-of-State maintenance	VDOT
Mt. Pleasant Blvd, Rte 866	250,000	250,000	20	Y	n/a	Intersection w/ Jae Valley Rd, Rte 116	1,400	N	Y	Improve sight distance/safety at intersection with Jae Valley Rd	VDOT
Brandywine Av, Rte 1602	40,000	40,000	21	N	0.4	From Bunker Hill Dr, Rte 1602, to Kenmore Ave, Rte 682	140	N	Y	Establish adequate drainage along roadway (may involve curb & gutter and inlets)	County
Bunker Hill Dr, Rte 1602	40,000	40,000	22	N	0.4	From Manassas Dr, Rte 682, to Brandywine Ave, Rte 1602	140	N	Y	Establish adequate drainage along roadway (may involve curb & gutter and inlets)	County
Mountain View Rd, Rte 651	50,000	50,000	23	N	n/a	n/a	n/a	n/a	Y	Supplemental funds for Numbered Project, Priority #6	VDOT
John Richardson Rd, Rte 743	124,820	124,820	24	N	n/a	n/a	n/a	n/a	Y	Supplemental funds for Numbered Project, Priority #11	VDOT
Hardy Rd, Rte 634	50,000	50,000	25	N	n/a	n/a	n/a	n/a	Y	Supplemental funds for Numbered Project, Priority #14	VDOT

#### II.D. PROJECTS CONSIDERED BUT NOT FUNDED

The following projects were considered for inclusion in the FY 2006/2007 Revenue Sharing Program but were not added.

Carson Road, Rte 758: Drainage issues; problems with curvature and

geometry; road width deficiencies; with so many problems with this particular roadway, the project may be too extensive to handle under Revenue Sharing. Staff recommends that this project be one of the first added to the future Numbered Project list

once additions are possible.

**Crutchfield Street**, **Rte 1904**: Staff received a request to improve the sight distance

for one property's driveway. This project would require major renovations to an established yard, including cutting down trees and vegetation that is outside of the public right-of-way. The benefits do not outweigh the associated project costs. Staff will recommend to VDOT that they install the appropriate

signage for this situation.

Boones Chapel Road, Rte 614: Staff received two requests: to realign and widen an

existing bridge and to construct a new turn-around at the end of the roadway. VDOT has/will rectify the

first request with their bridge

construction/maintenance crew. The second request, to install a new turn-around at the end of state maintenance, was not put in the Program due to lack of citizen interest. The affected property owners were contacted and they informed the County staff

of their opposition to such a project.

**Cantle Lane, Rte 1339:** Staff received a request to repair the existing curb &

gutter on this particular roadway. A site visit confirmed that improvements were needed. VDOT has informed County staff that they will address the

concerns under normal maintenance activities.